

## ABSTRACT

In order to construct a brushless electric motor comprising a housing, comprising a rotor and comprising a stator, each stator unit including pole shoes, formed as claw poles, as well as a coil positioned following the rotor in the direction of the rotor axis, by means of which the pole shoes can be magnetized, at the lowest possible cost and as simply as possible, it is proposed that the stator unit has two pole shoe elements of which a first pole shoe element has a first pole shoe carrier as well as first pole shoes formed integrally onto this carrier and of which a second pole shoe element has a second pole shoe carrier as well as the second pole shoes formed integrally onto this carrier and that a bearing support made of plastics is molded onto the second pole shoe carrier of the stator unit and is thereby secured to it.